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PATYORNEY DOCKET NO. 22000.0110U2
CONFIRMATION NO. 7467
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Form PTO-1449 U.S. DEPARTMENT OF COMMERCE (Rev. 7-80) PATENT AND TRADEMARK OFFICE

**ATTORNEY DOCKET NO.: 22000.0110U2** 

**SERIAL NO. 09/942,429** 

APPLICANT: Capdevila et al.

FILING DATE: August 29, 2001

**GROUP: 1614** 

LIST OF PRIOR ART CITED BY APPLICANT (Use several sheets if necessary)

U.S. PATENT DOCUMENTS							
EXAMINER INITIALS		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
M,	B1	5,814,318	09/29/98	Lonberg et al.			
N	B2	5,789,650	08/04/98	Lonberg et al.			Š
M	В3	5,770,429	06/23/98	Lonberg et al.			EO.
W	B4	5,663,425	09/02/97	Detriot et al.		TEN OF	CALVED
M	B5	5,661,016	08/26/97	Lonberg et al.		CEN	R 100/200
W	В6	5,625,126	04/29/97	Lonberg et al.		1//	Pin
M	B7	5,569,825	10/29/96	Lonberg et al.			000/200
M	88	5,545,806	08/13/96	Lonberg et al.			-00
W	В9	5,503,995	04/2/96	Khudyadov et al.			
FOREIGN PATENT DOCUMENTS							

FOREIGN PATENT DOCUMENTS								
OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)								
W	B10	August, Phyllis "Commentary: Hypertension in Men." J. Clin. Endocrinol. Metab. 84(10):3451-3454 (1999)						
M,	B11	Chen and Meng, "Sexual Dimorphism Of Blood Pressure In Spontaneously Hypertensive Rats Is Androgen Dependent."  Life Sci. 48:85-96 (1991)						
M	B12	Chen, "Sexual dimorphism of hypertension." Curr. Opin. Nephrol. Hypertens. 6(2):181-185 (March 1996)						
M	B13	Cowley and Roman, "The Role of the Kidney in Hypertension." J. Am. Med. Assoc. 275(20):1581-1589 (May 22/29, 1996)						
M	B14	Dominiczak et al., "Genes and Hypertension : From Gene Mapping in Experimental Models to Vascular Gene Transfer Strategies." Hypertension 35[part 2]:164-172 (2000)						
M	B15	Ganten et al., "Sexual dimorphism of blood pressure in spontaneously hypertensive rats: effects of anti-androgen treatment." J. Hypertens. 7(9):721-726 (1989)						
W	B16	Garbers and Dubois, "The Molecular Basis of Hypertension." Ann. Rev. Biochem. 68:127-155 (1999)						
\M.	B17	Halushka et al., "Patterns of single-nucleotide polymorphisms in candidate genes for blood-pressure homeostasis." Nature Genetics 22(3):239-247 (July 1999)						
M	B18	Harder et al., "Cytochrome P450 Metabolites of Arachidonic Acid as Intracellular Signaling Molecules in Vascular Tissue."  J. Vasc. Res. 34:237-243 (1997)						
W	B19	Helvig et al., "Molecular, Enzymatic, and Regulatory Characterization of Rat Kidney Cytochromes P450 4A2 and 4A3." Biochemistry 37(36):12546-12558 (1998)						



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M	B20_	Holla et al., "Alterations in the regulation of androgen-sensitive Cyp 4a monooxygenases cause hypertension." PNAS 98(9):5211-5216 (April 24, 2001)					
·W	B21	Imaoka et al., "Complete cDNA Sequence and cDNA-Directed Expression of CYP4A11, a Fatty Acid ω-Hydroxylase Expressed in Human Kidney." DNA Cell Biol. 12(10):893-899 (1993)					
MY	B22	Imig et al., "Contribution of cytochrome P450 epoxygenase and hydroxylase pathways to afferent arteriolar autoregulatory responsiveness." Br. J. Pharmacol. 127(6):1399-1405 (1999)					
W	B23	Imig et al., "Formation and actions of 20-hydroxyeicosatetraenoic acid in rat renal arterioles." Am. J. Physiol. 270(1 pt 2):R217-R227 (1996)					
M	B24	Kroetz et al., "Peroxisome Proliferator-activated Receptor α Controls the Hepatic CYP4A Induction Adaptive Response to Starvation and Diabetes." J. Biol. Chem. 273(47):31581-31589 (November 20, 1998)					
M	B25	Lifton, R. "Molecular Genetics of Human Blood Pressure Variation." Science 272(5262):676-680 (1996)					
W	B26	Mantzoros et al., "Relative Androgenicity, Blood Pressure Levels, and Cardiovascular Risk Factors in Young Healthy Women." Am. J. Hypertens. 8(6):606-614 (June 1995)					
M	B27	Masabuchi et al., "Gonadectomy-induced reduction of blood pressure in adult spontaneously hypertensive rats." Acta Endocrinol. 101(1):154-160 (1982)					
	B28	Navar et al., "Paracrine Regulation of the Renal Microcirculation." Physiol. Rev. 76(2):425-536 (April 1996)					
W	B29 ·	Phillips et al., "Serum sex hormone levels in postmenopausal women with hypertension." J. Hum. Hypertens. 11(8):523-526 (1999)					
W	B30	Prakash et al., "20-Hydroxyeicosatetraenoic Acid Is Excreted As A Glucuronide Conjugate In Human Urine." Biochem. Biophys. Res. Commun. 185(2):728-733 (June 15, 1992)					
M	B31	Pratt and Dzau, "Genomics and hypertension: Concepts, Potentials, and Opportunities." Hypertension 33(part II):238-247 (1999)					
M	B32	Reckelhoff et al., "Experimental Biology 1998 Syposium on Sex Steriods in Cardiovascular-Renal Physiology and Pathophysiology Gender Differences in Hypertension in Spontaneously Hypertensive Rats - Role of Androgens and Androgen Receptor." Hypertension 34(part 2):920-923 (1999)					
M	B33	Reckelhoff and Granges, "Role of Androgens in Mediating Hypertension and Renal Injury." Clin. Exp. Phamacol. And Physiol. 26(2):127-131 (1999)					
MU	B34	Su et al., "Inhibition of renal arachidonic acid &-hydroxylase activity with ABT reduces blood pressure in the SHR." Am. J. Physiol. 275(pt 2):R426-R438 (1998)					
W	B35	Sundseth and Waxman, "Sex-dependent Expression and Clofibrate Inducibility of Cytochrome P450 4A Fatty Acid w-Hydroxylases." J. Biol. Chem. 267(6):3915-3921 (February 25, 1992)					
W/	B36	Turner et al., "Separate Sex-Influenced and Genetic Components in Spontaneously Hypertensive Rat Hypertesion."  Hypertension 17:1097-1103 (1991)					
EXAMINER:	11 -	DATE CONSIDERED: 2417/84					

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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		OTHER	PRIOR ART	(Including Author, Title, Date, Pertinent P	ages, Etc.)			
M	A1 <sub>.</sub>	Capdevila et al. Cytochrome P450 and arachidonic acid bioactivation: molecular and functional properties of the arachidonate monooxygenase. J. Lipid Res. 41:163-181 (2000)						
M	A2	Heng et al. A novel murine p-450 gene, Cyp4a14, is part of a cluster of Cyp4a and Cyp4b, but not of CYP4F, genes in mouse and humans. Biochem. J. 325:741-749 (1997)						
M	A3	Hoch et al. Structural Determination of the Substrate Specificities and Regioselectivities of the Rat and Human Falty Acid Hydroxlases. Arch Biochem. Biophysics 373:63-71 (2000)						
M	A4	Honkakoski et al. f	Honkakoski et al. Regulation of cytochrome P450 (CYP) genes by nuclear receptors. Biochem. J. 347:321-337 (2000)					
M	A5	Johnson et al. Role of the peroxisome proliferator-activated receptor in cytochrome P450 4A gene regulation. FASEB J. 10:1241-1248 (1996)						
M	A6	Lasker et al. Formation of 20-hydroxyeiocosatetraenoic Acid, a Vasoactive and Natriuretic Eicosaniod, in Human Kidney. J. Biol. Chem. 275:(6):4118-4126 (2000)						
W	A7	McGiff et al. 20-HETE and the kidney: resolution of old problems and new beginnings. Am. J. Physiol. 277;R607-R623 (1999)						
M	A8	Wang et al. Contribution of cytochrome P-450 4A1 and 4A2 to vascular 20-hydroxyeicosatetraenoic acid synthesis in rat kidneys. Am. J. Physiol. 276:F246-F253 (1999)						
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